

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	"20050115673"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/15 14:01
S2	4	"5451784".pn. "20010014520"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/15 15:26
S3	1382	156/345.13,345.15,345.24,345.28.ccls. 250/305.ccls.	US-PGPUB; USPAT	OR	ON	2006/09/15 15:27
S4	839	S3 and @ad<"20020326"	US-PGPUB; USPAT	OR	ON	2007/08/28 16:50
S5	65	S4 and ((wafer substrate) near7 sensor\$2)	US-PGPUB; USPAT	OR	ON	2006/09/15 16:35
S6	182	S4 and ((wafer substrate) near7 (detect\$3 sensor\$2))	US-PGPUB; USPAT	OR	ON	2006/09/15 15:31
S7	67	S6 and (ion\$2 and electron\$2)	US-PGPUB; USPAT	OR	ON	2006/09/15 16:37
S8	1007	roche.in.	US-PGPUB; USPAT	OR	ON	2006/09/15 17:44
S9	514	S8 and @ad<"20020326"	US-PGPUB; USPAT	OR	ON	2006/09/15 16:35
S10	2	S9 and ((wafer substrate) near7 sensor\$2)	US-PGPUB; USPAT	OR	ON	2006/09/15 16:35

S11	33	S9 and (ion\$2 and electron\$2)	US-PGPUB; USPAT	OR	ON	2006/09/15 16:49
S12	769	(plasma near3 monitor\$3) same (wafer substrate)	US-PGPUB; USPAT	OR	ON	2006/09/15 16:50
S13	564	S12 and (optical wireless)	US-PGPUB; USPAT	OR	ON	2006/09/15 16:51
S14	179	S13 and (energy near5 (ion\$2 electron\$2))	US-PGPUB; USPAT	OR	ON	2006/09/15 16:51
S15	94	S14 and @ad<"20020326"	US-PGPUB; USPAT	OR	ON	2006/09/15 17:20
S16	3917	((diagnostic placebo surrogate monitor\$3) near4 wafer) same (sensor\$2 detector\$2 measure\$4 control\$4)	US-PGPUB; USPAT	OR	ON	2006/09/15 17:19
S17	2861	((diagnostic placebo surrogate monitor\$3) near4 wafer) same (sensor\$2 detector\$2 measure\$4)	US-PGPUB; USPAT	OR	ON	2006/09/15 17:20
S18	1514	((diagnostic placebo surrogate monitor\$3) near4 wafer) near7 (sensor\$2 detector\$2 measure\$4)	US-PGPUB; USPAT	OR	ON	2006/09/15 17:20
S19	869	S18 and @ad<"20020326"	US-PGPUB; USPAT	OR	ON	2006/09/15 17:20
S20	550	S19 and (optical\$3 wireless\$3)	US-PGPUB; USPAT	OR	ON	2006/09/15 17:21
S21	44	S19 and (optical\$3 wireless\$3) and (energy near2 ion\$2)	US-PGPUB; USPAT	OR	ON	2006/09/15 17:22
S22	16	(greg\$4 near2 roche).in.	US-PGPUB; USPAT	OR	ON	2006/09/15 17:45
S23	6	S22 and @ad<"20020326"	US-PGPUB; USPAT	OR	ON	2006/09/15 17:48
S24	10	S22 not S23	US-PGPUB; USPAT	OR	ON	2006/09/15 17:48

S25	7	"6673636".pn. "20040021094" "5444637".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/16 15:05
S26	99	(plasma near2 monitoring) near5 (wafer substrate)	US-PGPUB; USPAT	OR	ON	2006/09/16 13:13
S27	57	S26 and @ad< "20020326"	US-PGPUB; USPAT	OR	ON	2006/09/16 16:25
S28	19978	"57" and (aluminum and (aluminum adj oxide))	US-PGPUB; USPAT	OR	ON	2006/09/16 13:14
S29	7	S27 and (aluminum and (aluminum adj oxide))	US-PGPUB; USPAT	OR	ON	2006/09/16 13:16
S30	5199	wafer near3 (surrogate diagnostic monitor\$3)	US-PGPUB; USPAT	OR	ON	2006/09/16 13:18
S31	9	(wafer near3 (surrogate diagnostic monitor\$3)) same (aluminum near4 (electrode\$2 sensor\$2))	US-PGPUB; USPAT	OR	ON	2006/09/16 13:19
S32	215	(plasma near3 monitor\$3) same (wafer substrate)	EPO; JPO; DERWENT	OR	ON	2006/09/16 15:06
S33	2	S32 and (phot\$2 near3 detect\$3)	EPO; JPO; DERWENT	OR	ON	2006/09/16 15:11
S34	2	S32 and (phot\$2 near3 detect\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/16 15:11
S35	230	(phot\$2 near3 (detect\$3 sensor\$2)) same (insulat\$3 oxide) same current	US-PGPUB; USPAT	OR	ON	2006/09/16 15:14
S36	150	S35 and @ad< "20020326"	US-PGPUB; USPAT	OR	ON	2006/09/16 15:15
S37	97	(phot\$2 near3 (detect\$3 sensor\$2)) same ((layer film) near4 (insulat\$3 oxide)) same current	US-PGPUB; USPAT	OR	ON	2006/09/16 15:15

S38	67	S37 and @ad<"20020326"	US-PGPUB; USPAT	OR	ON	2006/09/16 16:21
S39	0	(on near3 wafer near3 monitor\$3) same (ion near3 radical\$2 near3 analyzer)	US-PGPUB; USPAT	OR	ON	2006/09/16 16:22
S40	1	(ion near3 radical\$2 near3 analyzer)	US-PGPUB; USPAT	OR	ON	2006/09/16 16:24
S41	1	(ion near3 radical\$2 near3 spectrophotometer)	US-PGPUB; USPAT	OR	ON	2006/09/16 16:25
S42	63	(ion near3 spectrophotometer)	US-PGPUB; USPAT	OR	ON	2006/09/16 16:25
S43	42	S42 and @ad<"20020326"	US-PGPUB; USPAT	OR	ON	2006/09/16 16:30
S44	2	S43 and radical\$2	US-PGPUB; USPAT	OR	ON	2006/09/16 16:27
S45	2729	(ion\$2 and radical\$2) same (spectro\$10 analy\$3 detect\$3)	US-PGPUB; USPAT	OR	ON	2006/09/16 16:29
S46	1124	(ion\$2 same radical\$2) same (spectro\$10 analy \$3 detect\$3)	US-PGPUB; USPAT	OR	ON	2006/09/16 16:29
S47	101	(ion\$2 same radical\$2) near6 (spectro\$10 analy \$3 detect\$3)	US-PGPUB; USPAT	OR	ON	2006/09/16 16:30
S48	65	S47 and @ad<"20020326"	US-PGPUB; USPAT	OR	ON	2006/09/16 16:30
S49	323090	emission nea3 spectrophotometer	US-PGPUB; USPAT	OR	ON	2006/09/18 08:45
S50	355	emission near3 spectrophotometer	US-PGPUB; USPAT	OR	ON	2006/09/18 08:45
S51	252	S50 and @ad<"20020326"	US-PGPUB; USPAT	OR	ON	2006/09/18 08:52
S52	0	S51 and (ion\$2 same radical\$2 same analy\$3)	US-PGPUB; USPAT	OR	ON	2006/09/18 08:47

S53	7	S51 and (ion\$2 same radical\$2)	US-PGPUB; USPAT	OR	ON	2006/09/18 08:49
S54	29	S51 and (ion\$2 and radical\$2)	US-PGPUB; USPAT	OR	ON	2006/09/18 08:49
S55	22	S54 not S53	US-PGPUB; USPAT	OR	ON	2006/09/18 08:51
S56	12904	(ion\$2 same radical\$2) and analy\$3	US-PGPUB; USPAT	OR	ON	2006/09/18 09:08
S57	1109	S56 and spectrophotometer	US-PGPUB; USPAT	OR	ON	2006/09/18 08:52
S58	615	S57 and @ad<"20020326"	US-PGPUB; USPAT	OR	ON	2006/09/18 08:53
S59	87	S58 and (pattern\$3 and electrode\$2)	US-PGPUB; USPAT	OR	ON	2006/09/18 08:53
S60	87	S59 not S54	US-PGPUB; USPAT	OR	ON	2006/09/18 08:53
S61	1382	156/345.13,345.15,345.24,345.28.cds. 250/305.cds.	US-PGPUB; USPAT	OR	ON	2006/09/18 09:08
S62	839	S61 and @ad<"20020326"	US-PGPUB; USPAT	OR	ON	2006/09/18 11:19
S63	32	S62 and (ion\$2 and radical\$2 and analy\$3)	US-PGPUB; USPAT	OR	ON	2006/09/18 11:02
S64	5	S63 and (electron ion) adj (gun source)	US-PGPUB; USPAT	OR	ON	2006/09/18 11:01
S65	2	S63 and (electron adj (gun source))	US-PGPUB; USPAT	OR	ON	2006/09/18 11:17
S66	1	S62 and (ion\$2 and radical\$2 and spectr\$10 and (electron adj gun))	US-PGPUB; USPAT	OR	ON	2006/09/18 11:03
S67	1	S62 and (ion\$2 and radical\$2 and (electron adj gun))	US-PGPUB; USPAT	OR	ON	2006/09/18 11:18

S68	185	S62 and (electron adj (gun source))	US-PGPUB; USPAT	OR	ON	2006/09/18 11:18
S69	2	S68 and (ion\$2 and radical\$2)	US-PGPUB; USPAT	OR	ON	2006/09/18 11:18
S70	226	((ion\$2 and radical\$2 and (electron adj gun) and spectro\$10)	US-PGPUB; USPAT	OR	ON	2006/09/18 11:20
S71	144	S70 and @ad< "20020326"	US-PGPUB; USPAT	OR	ON	2006/09/18 11:20
S72	0	S71 and elctrode\$2	US-PGPUB; USPAT	OR	ON	2006/09/18 11:19
S73	24	((ion\$2 and radical\$2 and (electron adj gun) and spectrophotometer)	US-PGPUB; USPAT	OR	ON	2006/09/18 11:21
S74	7	S73 and @ad< "20020326"	US-PGPUB; USPAT	OR	ON	2006/09/18 11:22
S75	67	((ion\$2 and radical\$2 and (electron adj gun) and spectrometer)	US-PGPUB; USPAT	OR	ON	2006/09/18 11:22
S76	35	S75 and @ad< "20020326"	US-PGPUB; USPAT	OR	ON	2006/09/18 11:22
S77	56	(Seiji near2 Samukawa).in. (Tadashi near2 Shinmura).in. (Mitsuru near2 Okigawa).in.	US-PGPUB; USPAT	OR	ON	2006/09/18 13:35
S78	23	((tohoku near2 techno).as.	US-PGPUB; USPAT	OR	ON	2006/09/18 13:36
S79	79	S77 or S78	US-PGPUB; USPAT	OR	ON	2006/09/18 13:36
S80	8	S79 and ((ion\$2 and radical\$2) and spectro\$10)	US-PGPUB; USPAT	OR	ON	2006/09/18 13:39
S81	2	S79 and ((ion\$2 and radical\$2) and spectro\$10). clm.	US-PGPUB; USPAT	OR	ON	2006/09/18 13:39

S82	55	(US-20030029834-\$ or US-20040007326-\$ or US-20010014520-\$ or US-20010015175-\$ or US-20020026251-\$ or US-20060171848-\$ or US-20050284570-\$ or US-20020020802-\$ or US-20050011611-\$ or US-20030000922-\$ or US-20020048019-\$).did. or (US-6333544-\$ or US-6580091-\$ or US-6902646-\$ or US-5451784-\$ or US-5779918-\$ or US-6849470-\$ or US-6508990-\$ or US-6060329-\$ or US-6632321-\$ or US-6462328-\$ or US-6827870-\$ or US-6052185-\$ or US-5576629-\$ or US-6113733-\$ or US-6326794-\$ or US-5989929-\$ or US-6830650-\$ or US-6547458-\$ or US-6759253-\$ or US-4888199-\$ or US-6835275-\$ or US-6232236-\$ or US-5444259-\$ or US-6432260-\$ or US-5846883-\$ or US-5002631-\$).did. or (US-6716301-\$ or US-5871658-\$ or US-6265241-\$ or US-5821548-\$ or US-5744796-\$ or US-5733820-\$ or US-5482684-\$ or US-4951602-\$ or US-5468865-\$ or US-5206506-\$ or US-5472508-\$ or US-5212118-\$ or US-5409562-\$ or US-6096232-\$ or US-5683538-\$ or US-5571366-\$ or US-6131580-\$ or US-5896196-\$).did.	US-PGPUB; USPAT	OR	ON	2007/03/19 11:28
S83	1	"6830650".pn.	US-PGPUB; USPAT	OR	ON	2007/03/19 11:28
S84	25	("20020173059"   "5444637"   "5526293"   "5594328"   "5801386"   "5885402"   "5959309"   "5967661"   "5969639"   "6033922"   "6051443"   "6190040"   "6244121"   "6325536"   "6458239"   "6576922"   "6614051"   "6616332"   "6691068"   "6738722").PN. OR ("6830650").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/19 11:29
S85	80	S82 or S84	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/19 11:29
S86	68	S85 and @ad<"20020326"	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/19 12:33

S87	2	S86 and ((sensor\$2 monitor\$2) with (pattern\$3 etch\$3) with electrode\$2)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/19 12:38
S88	971	156/345.13,345.15,345.24,345.28.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/19 12:33
S89	474	S88 and @ad<"20020326"	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/19 12:39
S90	16	S89 and ((sensor\$2 monitor\$2) with (pattern\$3 etch\$3) with electrode\$2)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/19 12:36
S91	0	((on adj wafer) near6 (monitor\$3 control\$4)) and ((sensor\$2 monitor\$2) with (pattern\$3 etch\$3) with electrode\$2)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/19 12:37
S92	0	((on adj wafer) near6 (monitor\$3 control\$4)) and ((sensor\$2 monitor\$2) with electrode\$2)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/19 12:37
S93	149	(plasma near6 (measur\$3 monitor control\$3)) and ((sensor\$2 monitor\$2) with (pattern\$3 etch\$3) with electrode\$2)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/19 12:39
S94	67	S93 and @ad<"20020326"	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/19 12:39
S95	13	("5315145").PN. OR ("5869877").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/19 12:49
S96	29	("20010014520"   "20020078770"   "20020109590"   "20020161557"   "20020172097"   "20020177916"   "20020177917"   "20020193957"   "5262944"   "5435646"   "5444637"   "5564889"   "5969639"   "5970313"   "6010538"   "6033922"   "6075909"   "6100506"   "6190040"   "6313903"   "6325536"   "6378378"   "6472240"   "6542835"   "6553277"   "RE32369").PN. OR ("6889568").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/19 16:57
S97	1	"6576922".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/19 16:58



S98	9	("5315145"   "5781445"   "5869877"   "5959309"   "5963412"   "6265729").PN. OR ("6576922").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/19 16:59
S99	5324	ma.in.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/19 17:00
S100	28	(shawming near2 ma).in.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/19 17:28
S101	1	"6673636".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/19 17:28
S102	7	("20020126437"   "20020159216"   "5594328"   "5653811"   "5801386"   "5904779").PN. OR ("6673636").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/19 17:30
S103	455	(sensor\$2 detector\$2) with (electrode\$2 conduct \$3) with (energy near5 (ion\$2 electron\$2))	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/19 17:32
S104	223	S103 and @ad<"20020326"	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/19 18:44
S105	1	"6691068".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/19 18:34
S106	26	(wayne near2 renken).in.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/19 18:40
S107	47	polla.in.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/19 18:40
S108	3	(kameshwar near2 polla).in.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/19 18:42
S109	1456	(ferroelectric near6 capacitor) with charg\$3	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/19 18:43
S110	327	(ferroelectric near6 capacitor) with (charg\$3 near3 (voltage damage))	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/19 18:44
S111	172	S110 and @ad<"20020326"	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/19 19:07
S112	1	"5451784".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/19 19:08

S113	1	"5444637".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/19 19:29
S114	1	"6576922".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/19 19:29
S115	77	(US-20020020802-\$ or US-20050011611-\$ or US-20060171848-\$ or US-20020026251-\$ or US-20020048019-\$ or US-20020000631-\$ or US-20010015175-\$ or US-20040007326-\$ or US-20050284570-\$ or US-20010014520-\$ or US-20030000922-\$ or US-20030029834-\$ or US-20020078770-\$ or US-20020161557-\$ or US-20030197167-\$).did. or (US-6716301-\$ or US-6759253-\$ or US-6576922-\$ or US-5206506-\$ or US-5869877-\$ or US-6265241-\$ or US-5451784-\$ or US-6632321-\$ or US-6333544-\$ or US-6432260-\$ or US-6462328-\$ or US-6830650-\$ or US-6849470-\$ or US-6580091-\$ or US-5896196-\$ or US-5576629-\$ or US-5212118-\$ or US-6508990-\$ or US-5779918-\$ or US-5683538-\$ or US-5733820-\$ or US-5846883-\$ or US-5871658-\$ or US-6902646-\$ or US-6889568-\$ or US-5444259-\$).did. or (US-5468665-\$ or US-5472508-\$ or US-5482684-\$ or US-5571366-\$ or US-6060329-\$ or US-6096232-\$ or US-6741945-\$ or US-6131580-\$ or US-4888199-\$ or US-6287888-\$ or US-5002631-\$ or US-6747290-\$ or US-6835275-\$ or US-6531711-\$ or US-6113733-\$ or US-5409562-\$ or US-6306594-\$ or US-4951602-\$ or US-6232236-\$ or US-6326794-\$ or US-6547458-\$ or US-5989929-\$ or US-6052185-\$ or US-6827870-\$ or US-6620631-\$ or US-5744796-\$ or US-5821548-\$).did. or (US-5444637-\$ or US-6075909-\$ or US-6472240-\$ or US-7149643-\$ or US-6281535-\$ or US-6485988-\$ or US-6673636-\$ or US-5801386-\$ or US-6738722-\$).did.	US-PGPUB; USPAT	OR	ON	2007/03/19 19:34

S116	140660	S115 and "Al.sub.2" "O.sub.3"	US-PGPUB; USPAT	OR	ON	2007/03/19 19:35
S117	4	S115 and (aluminum adj oxide)	US-PGPUB; USPAT	OR	ON	2007/03/19 19:36
S118	972	156/345.13,345.15,345.24,345.28.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/20 08:27
S119	1	S118 and ((monitor\$3 measure\$4) with ((ion\$2 electron\$2) near4 energy) with electrode\$2 with etch\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/20 08:30
S120	0	S118 and ((sensor\$2 detector\$2) with ((ion\$2 electron\$2) near4 energy) with electrode\$2 with etch\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/20 08:31
S121	3	((monitor\$3 measure\$4) with ((ion\$2 electron\$2) near4 energy) with electrode\$2 with etch\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/20 08:30
S122	1	((sensor\$2 detector\$2) with ((ion\$2 electron\$2) near4 energy) with electrode\$2 same etch\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/20 08:31
S123	11	(Plasma near7 (monitor\$3 control\$4)) same (((ion\$2 electron\$2) near4 energy) with (sensor\$2 detector\$2))	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/20 08:35
S124	131	(Seiji near2 samukawa).in. (advanced near2 energy near2 industries).as.	US-PGPUB; USPAT	OR	ON	2007/03/20 08:37
S125	57	S124 and @ad<"20020326"	US-PGPUB; USPAT	OR	ON	2007/03/20 08:58
S126	237	156/345.28.ccls.	US-PGPUB; USPAT	OR	ON	2007/03/20 08:42
S127	122	S126 and @ad<"20020326"	US-PGPUB; USPAT	OR	ON	2007/03/20 08:57
S128	886	(plasma same etch\$3) same ((ion\$2 near3 energy) with (measur\$5 detect\$4 monitor\$4 control\$4))	US-PGPUB; USPAT	OR	ON	2007/03/20 08:59
S129	541	S128 and @ad<"20020326"	US-PGPUB; USPAT	OR	ON	2007/03/20 09:13

S130	36	(plasma same etch\$3 same (aspect near5 high)) same ((ion\$2 near3 energy) with (measur\$5 detect\$4 monitor\$4 control\$4))	US-PGPUB; USPAT	OR	ON	2007/03/20 09:01
S131	19	S130 and @ad<"20020326"	US-PGPUB; USPAT	OR	ON	2007/03/20 09:02
S132	50	(plasma same etch\$3 same (aspect near5 high)) and ((ion\$2 near3 energy) with (measur\$5 detect\$4 monitor\$4 control\$4) with electrode\$2)	US-PGPUB; USPAT	OR	ON	2007/03/20 09:30
S133	29	S132 and @ad<"20020326"	US-PGPUB; USPAT	OR	ON	2007/03/20 09:56
S134	495	S129 and ((118/715-733 156/345.\$2 "204"/\$ "216"/\$ "219"/\$ "315"/\$ "427"/\$ "438"/\$).cols.	US-PGPUB; USPAT	OR	ON	2007/03/20 09:16
S135	105	S129 and (high near4 aspect)	US-PGPUB; USPAT	OR	ON	2007/03/20 09:16
S136	8	(etch\$3 with ((aspect near5 high) or deep)) same ((ion\$2 near3 energy) with (measur\$5 detect\$4 monitor\$4 control\$4 analy\$4) with electrode\$2)	US-PGPUB; USPAT	OR	ON	2007/03/20 09:32
S137	42	(etch\$3 with ((aspect near5 high) or deep)) same ((ion\$2 near3 energy) with (measur\$5 detect\$4 monitor\$4 control\$4 analy\$4))	US-PGPUB; USPAT	OR	ON	2007/03/20 09:56
S138	34	S137 not S136	US-PGPUB; USPAT	OR	ON	2007/03/20 09:33
S139	2328	((ion\$2 near3 energy) with (measur\$5 monitor\$4 analy\$4))	US-PGPUB; USPAT	OR	ON	2007/03/20 10:19
S140	40	S139 and (etch\$3 with ((aspect near5 high) or deep))	US-PGPUB; USPAT	OR	ON	2007/03/20 10:15
S141	15	S140 and @ad<"20020326"	US-PGPUB; USPAT	OR	ON	2007/03/20 10:21
S142	508	156/345.24.cols.	US-PGPUB; USPAT	OR	ON	2007/03/20 10:13
S143	221	S142 and @ad<"20020326"	US-PGPUB; USPAT	OR	ON	2007/03/20 10:14

S144	17	S143 and (etch\$3 with ((aspect near5 high) or deep))	US-PGPUB; USPAT	OR	ON	2007/03/20 10:15
S145	4	S143 and ((ion\$2 near3 energy) with (measur\$5 monitor\$4 analy\$4))	US-PGPUB; USPAT	OR	ON	2007/03/20 10:21
S146	2328	((ion\$2 near3 energy) with (measur\$5 monitor\$4 analy\$4))	US-PGPUB; USPAT	OR	ON	2007/03/20 10:24
S147	40	S146 and (etch\$3 with ((aspect near5 high) or deep))	US-PGPUB; USPAT	OR	ON	2007/03/20 10:25
S148	15	S147 and @ad<"20020326"	US-PGPUB; USPAT	OR	ON	2007/03/20 11:28
S149	1529	((ion\$2 near3 energy) near7 (measur\$5 monitor\$4 analy\$4))	US-PGPUB; USPAT	OR	ON	2007/03/20 10:24
S150	892	S149 and @ad<"20020326"	US-PGPUB; USPAT	OR	ON	2007/03/20 10:25
S151	12	S150 and (etch\$3 with ((aspect near5 high) or deep))	US-PGPUB; USPAT	OR	ON	2007/03/20 11:14
S152	1	(ion\$2 near3 energy) with ((in adj situ) or insitu or in-situ) with (monito\$3 measur\$5)	US-PGPUB; USPAT	OR	ON	2007/03/20 11:28
S153	722	(ion\$2 near3 energy) near7 (monito\$3 measur\$5)	US-PGPUB; USPAT	OR	ON	2007/03/20 11:29
S154	449	S153 and @ad<"20020326"	US-PGPUB; USPAT	OR	ON	2007/03/20 11:30
S155	71	(ion\$2 near3 energy) near7 (monito\$3 measur\$5) same etch\$3	US-PGPUB; USPAT	OR	ON	2007/03/20 12:18
S156	33	S155 and @ad<"20020326"	US-PGPUB; USPAT	OR	ON	2007/03/20 11:30
S157	5	("5280176"   "5451784").PN. OR ("5565681").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/20 11:47

S158	15	("4006404"   "4697143"   "5070297"   "5339039"   "5359282"   "5565681"   "5576630"   "5653811"   "5705931"   "5801386"   "5808312"   "5851842"   "5936413"   "6357308"   "6653852").PN. OR ("6972579").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/20 11:52
S159	1	"6326794".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/20 11:52
S160	23	("4689869"   "5081421"   "5173474"   "5198072"   "5221442"   "5311452"   "5338390"   "5433813"   "5456788"   "5489361"   "5500073"   "5501766"   "5582746"   "5667701"   "5867020"   "5936413"   "5973415").PN. OR ("6326794").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/20 11:52
S161	19	("4246479"   "4494005"   "4680468"   "4831267"   "4849629"   "4980562"   "5068539").PN. OR ("5451784").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/20 12:01
S162	9	S161 and (ion\$2 near2 energy)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/20 11:58
S163	10	S161 not S162	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/20 12:01
S164	0	((ion\$2 near3 energy) near7 ((real adj time) or (in adj process)) with (monito\$3 measur\$5 anal\$4) same etch\$3	US-PGPUB; USPAT	OR	ON	2007/03/20 12:19
S165	18	((ion\$2 near3 energy) with ((real adj time) or (in adj process)) with (monito\$3 measur\$5 anal\$4)	US-PGPUB; USPAT	OR	ON	2007/03/20 12:19

S166	83	(US-20020078770-\$ or US-20020161557-\$ or US-20010014520-\$ or US-20030197167-\$ or US-20050284570-\$ or US-20050011611-\$ or US-20020020802-\$ or US-20020000631-\$ or US-20010015175-\$ or US-20060171848-\$ or US-20040007326-\$ or US-20030029834-\$ or US-20030000922-\$ or US-20020048019-\$ or US-20020026251-\$).did. or (US-7149643-\$ or US-6472240-\$ or US-6075909-\$ or US-5444637-\$ or US-6576922-\$ or US-6902646-\$ or US-5869877-\$ or US-6830650-\$ or US-6673636-\$ or US-6485988-\$ or US-6281535-\$ or US-5801386-\$ or US-6889568-\$ or US-5451784-\$ or US-6835275-\$ or US-6827870-\$ or US-6747290-\$ or US-6632321-\$ or US-6620631-\$ or US-6580091-\$ or US-6741945-\$ or US-6738722-\$ or US-6531711-\$ or US-6508990-\$ or US-6333544-\$ or US-6287888-\$).did. or (US-6265241-\$ or US-6131580-\$ or US-6113733-\$ or US-6096232-\$ or US-6052185-\$ or US-5989929-\$ or US-5896196-\$ or US-5846883-\$ or US-5779918-\$ or US-5744796-\$ or US-5683538-\$ or US-5576629-\$ or US-5472508-\$ or US-5468665-\$ or US-5409562-\$ or US-5212118-\$ or US-5206506-\$ or US-4951602-\$ or US-4888199-\$ or US-6849470-\$ or US-6716301-\$ or US-6759253-\$ or US-6462328-\$ or US-6547458-\$ or US-6326794-\$ or US-6432260-\$ or US-6232236-\$).did. or (US-6306594-\$ or US-6060329-\$ or US-5871658-\$ or US-5821548-\$ or US-5733820-\$ or US-5482684-\$ or US-5444259-\$ or US-5571366-\$ or US-5002631-\$ or US-6127237-\$ or US-6492277-\$ or US-5576630-\$ or US-6653852-\$ or US-4831267-\$ or US-4849629-\$).did.	US-PGPUB; USPAT	OR	ON	2007/03/20 13:11
S167	4	S166 and (aluminum adj oxide)	US-PGPUB; USPAT	OR	ON	2007/03/20 13:19

S168	12	S166 and ((aluminum adj oxide) or "Al.sub.2" "O.sub.3")	US-PGPUB; USPAT	OR	ON	2007/03/20 13:19
S169	83	(US-20010014520-\$ or US-20010015175-\$ or US-20030000922-\$ or US-20030029834-\$ or US-20060171848-\$ or US-20050011611-\$ or US-20020020802-\$ or US-20020026251-\$ or US-20020048019-\$ or US-20020000631-\$ or US-20050284570-\$ or US-20040007326-\$ or US-20020161557-\$ or US-20030197167-\$ or US-20020078770-\$).did. or (US-5451784-\$ or US-6835275-\$ or US-6759253-\$ or US-5576629-\$ or US-6113733-\$ or US-6060329-\$ or US-5989929-\$ or US-5444259-\$ or US-6580091-\$ or US-6830650-\$ or US-5444637-\$ or US-6432260-\$ or US-6333544-\$ or US-5779918-\$ or US-6827870-\$ or US-6716301-\$ or US-6547458-\$ or US-6508990-\$ or US-6326794-\$ or US-6232236-\$ or US-6052185-\$ or US-5846883-\$ or US-5002631-\$ or US-5871658-\$ or US-4888199-\$ or US-6738722-\$).did. or (US-6849470-\$ or US-6632321-\$ or US-6902646-\$ or US-6673636-\$ or US-6492277-\$ or US-6127237-\$ or US-6462328-\$ or US-6265241-\$ or US-6653852-\$ or US-5576630-\$ or US-5744796-\$ or US-5206506-\$ or US-5733820-\$ or US-5821548-\$ or US-5482684-\$ or US-5468665-\$ or US-4951602-\$ or US-5409562-\$ or US-5472508-\$ or US-5212118-\$ or US-5571366-\$ or US-5896196-\$ or US-6131580-\$ or US-6096232-\$ or US-5683538-\$ or US-6576922-\$ or US-5801386-\$).did. or (US-6747290-\$ or US-6620631-\$ or US-6531711-\$ or US-6306594-\$ or US-7149643-\$ or US-6472240-\$ or US-6287888-\$ or US-5869877-\$ or US-6889568-\$ or US-6741945-\$ or US-6075909-\$ or US-6485988-\$ or US-6281535-\$ or US-4831267-\$ or US-4849629-\$).did.	US-PGPUB; USPAT	OR	ON	2007/08/28 16:50



S170	56	S169 and (hole\$2 pore\$2 opening\$2)	US-PGPUB; USPAT	OR	ON	2007/08/28 17:38
S171	51	S170 and @ad<"20020326"	US-PGPUB; USPAT	OR	ON	2007/08/28 17:38
S172	2	"6576922".pn. "5444637".pn.	US-PGPUB; USPAT	OR	ON	2007/08/28 17:38
S173	0	S172 and (hole\$2 pore\$2 opening\$2)	US-PGPUB; USPAT	OR	ON	2007/08/28 17:41
S174	7	"20020000631" "6673636".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/28 17:41
S175	2	S174 and (hole\$2 pore\$2 opening\$2)	US-PGPUB; USPAT	OR	ON	2007/08/28 18:36
S176	1534	156/345.13,345.15,345.24,345.28.ccls. 250/305.ccls.	US-PGPUB; USPAT	OR	ON	2007/08/28 18:37
S177	844	S176 and @ad<"20020326"	US-PGPUB; USPAT	OR	ON	2007/08/28 18:41
S178	4	S177 and ((hole\$2 pore\$2 opening\$2) same (prob\$3 monitor\$3) same (insulati\$3 same (conduct\$3 electrode\$2 aluminum)))	US-PGPUB; USPAT	OR	ON	2007/08/28 18:40
S179	5471	((hole\$2 pore\$2 opening\$2) same (prob\$3 monitor\$3) same (insulati\$3 same (conduct\$3 electrode\$2 aluminum)))	US-PGPUB; USPAT	OR	ON	2007/08/28 20:19
S180	1245	S179 and ("216"/\$ "438"/\$).ccls.	US-PGPUB; USPAT	OR	ON	2007/08/28 20:30
S181	743	S180 and @ad<"20020326"	US-PGPUB; USPAT	OR	ON	2007/08/28 20:20
S182	18	S181 and (plasma near4 monitor\$3)	US-PGPUB; USPAT	OR	ON	2007/08/28 18:42

S183	2531	((hole\$2 pore\$2 opening\$2) with (insulati\$3 same (conduct\$3 electrode\$2 aluminum))) same (prob\$3 monitor\$3)	US-PGPUB; USPAT	OR	ON	2007/08/28 20:20
S184	46	((hole\$2 pore\$2 opening\$2) with (insulati\$3 same (conduct\$3 electrode\$2 aluminum))) same ((prob\$3 monitor\$3) with plasma)	US-PGPUB; USPAT	OR	ON	2007/08/28 20:20
S185	29	S184 and @ad<"20020326"	US-PGPUB; USPAT	OR	ON	2007/08/28 20:33
S186	25	S185 not S182	US-PGPUB; USPAT	OR	ON	2007/08/28 20:21
S187	34	S179 and 156/345.\$2.ccls.	US-PGPUB; USPAT	OR	ON	2007/08/28 21:18
S188	21	S187 and @ad<"20020326"	US-PGPUB; USPAT	OR	ON	2007/08/28 21:17
S189	1	((ion\$2 near\$3 energy) with (monitor\$3 measure \$4 analy\$4)) same ((insulati\$3 same (electrode \$2 conducti\$3)) with (holes openingss pores apertures))	US-PGPUB; USPAT	OR	ON	2007/08/28 21:17
S190	228	((ion\$2 near\$3 energy) with (monitor\$3 measure \$4 analy\$4)) same (holes openingss pores apertures)	US-PGPUB; USPAT	OR	ON	2007/08/28 21:21
S191	157	S190 and @ad<"20020326"	US-PGPUB; USPAT	OR	ON	2007/08/28 21:22
S192	2	S191 and 156/345.\$2.ccls.	US-PGPUB; USPAT	OR	ON	2007/08/28 21:21
S193	11	S191 and ("216"/\$ "438"/\$).ccls.	US-PGPUB; USPAT	OR	ON	2007/08/28 21:19
S194	55	((ion\$2 near\$3 energy) with (monitor\$3 measure \$4 analy\$4)) and 156/345.\$2.ccls.	US-PGPUB; USPAT	OR	ON	2007/08/28 22:35
S195	55	S194 and 156/345.\$2.ccls.	US-PGPUB; USPAT	OR	ON	2007/08/28 21:21

S196	24	S194 and @ad<"20020326"	US-PGPUB; USPAT	OR	ON	2007/08/28 22:37
S197	773	((ion\$2 near3 energy) near7 (monitor\$3 measure \$4 analy\$4)) and plasma	US-PGPUB; USPAT	OR	ON	2007/08/28 23:25
S198	144	S197 and ("216"/\$ "438"/\$).cds.	US-PGPUB; USPAT	OR	ON	2007/08/28 22:36
S199	68	S198 and @ad<"20020326"	US-PGPUB; USPAT	OR	ON	2007/08/28 23:26
S200	2	"20020137266"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/28 23:17
S201	72	((ion\$2 near3 energy) near7 (monitor\$3 measure \$4 analy\$4)) and plasma	EPO; JPO; DERWENT	OR	ON	2007/08/28 23:18
S202	0	S201 and @ad<"20020326"	US-PGPUB; USPAT	OR	ON	2007/08/28 23:19
S203	53	S201 and @ad<"20020326"	EPO; JPO; DERWENT	OR	ON	2007/08/28 23:26
S204	1183091	((ion\$2 near3 energy) near7 (monitor\$3 measure \$4 analy\$4)) and plasma and wafer (test diagnostic)	US-PGPUB; USPAT	OR	ON	2007/08/28 23:25
S205	519	((ion\$2 near3 energy) near7 (monitor\$3 measure \$4 analy\$4)) and plasma and (wafer (test diagnostic))	US-PGPUB; USPAT	OR	ON	2007/08/28 23:26
S206	30	((ion\$2 near3 energy) near7 (monitor\$3 measure \$4 analy\$4)) and plasma and (wafer near2 (test diagnostic))	US-PGPUB; USPAT	OR	ON	2007/08/28 23:26
S207	0	S206 and @ad<"20020326"	EPO; JPO; DERWENT	OR	ON	2007/08/28 23:26
S208	4	S206 and @ad<"20020326"	US-PGPUB; USPAT	OR	ON	2007/08/28 23:27

S209	2	"20030077883"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 11:12
S210	219	(plasma near5 charge\$3) with (monitor\$3 measur \$5)	US-PGPUB; USPAT	OR	ON	2007/08/29 11:13
S211	120	S210 and @ad<"20020326"	US-PGPUB; USPAT	OR	ON	2007/08/29 12:45
S212	1	"7052575".pn.	US-PGPUB; USPAT	OR	ON	2007/08/29 12:45
S213	1	"7052575".pn.	DERWENT	OR	ON	2007/08/29 14:37
S214	109	microwave\$2 near2 torch\$2	US-PGPUB; USPAT	OR	ON	2007/08/29 14:37
S215	272	156/345.28.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/03 10:12
S216	123	S215 and @ad<"20020326"	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/03 10:12
S217	3	S216 and (ion\$2 near7 energy near7 (analyzer\$2 sensor\$2 probe\$2 detector\$2))	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/03 10:15
S218	1085	156/345.13,345.15,345.24,345.28.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/03 10:17
S219	477	S218 and @ad<"20020326"	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/03 10:17
S220	5	S219 and (ion\$2 near7 energy near7 (analyzer\$2 sensor\$2 probe\$2 detector\$2))	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/03 10:17
S221	683	plasma and (ion\$2 near7 energy near7 (analyzer \$2 sensor\$2 probe\$2 detector\$2))	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/03 10:18
S222	307	S221 and @ad<"20020326"	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/03 10:18

S223	302	S222 not S219	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/03 10:19
S224	6	S223 and (electrode\$2 near4 stack\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/03 10:22
S225	95	plasma and ((ion\$2 near7 energy near7 (analyzer \$2 sensor\$2 probe\$2 detector\$2))) same electrode\$2	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/03 10:25
S226	53	S225 and @ad<"20020326"	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/03 10:26
S227	73	(ion\$2 near7 energy) with (electrode\$2 near7 (multi\$4 stack\$3))	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/03 10:43
S228	34	S227 and @ad<"20020326"	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/03 10:43
S229	28	S228 not S226	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/03 10:43
S230	108	(ion\$2 near7 energy) with (electrode\$2 near7 plural\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/03 10:56
S231	41	S230 and @ad<"20020326"	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/03 10:56
S232	23	("4689869"   "5081421"   "5173474"   "5198072"   "5221442"   "5311452"   "5338390"   "5433813"   "5456788"   "5489361"   "5500073"   "5501766"   "5582746"   "5667701"   "5867020"   "5936413"   "5973415").PN. OR ("6326794").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/03 11:08
S233	1	"5393986".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/03 11:11
S234	10	("2956169"   "4574179").PN. OR ("5393986"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/03 11:11
S235	1	"5091655".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/03 11:13

S236	32	("3731211"   "4276477"   "4383180"   "4661712"   "4687936"   "4782304"   "4794305"   "4922106"   "4942342").PN. OR ("5091655").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/03 11:14
S237	1	(ion\$2 near7 energy near7 analyz\$3) with (electrode\$2 near7 plural\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/03 11:18
S238	10	(ion\$2 near7 energy near7 analyz\$3) same (electrode\$2 near7 plural\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/03 11:19
S239	11	("5315145"   "5781445"   "5869877"   "5959309"   "5963412"   "6265729").PN. OR ("6576922").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/03 11:22
S240	16	("5315145").PN. OR ("5869877").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/03 11:35
S241	12	("4642672"   "5457334"   "5736863"   "5780870"   "5847466"   "5856705"   "5869877"   "5900672").PN. OR ("6215129").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/03 11:54
S242	23	"4689869"   "5081421"   "5173474"   "5198072"   "5221442"   "5311452"   "5338390"   "5433813"   "5456788"   "5489361"   "5500073"   "5501766"   "5582746"   "5667701"   "5867020"   "5936413"   "5973415").PN. OR ("6326794").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/03 11:59
S243	197	(advance\$2 near2 energy).as.	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/03 12:01
S244	95	(advance\$2 near2 energy near industries).as.	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/03 12:02
S245	43	S244 and @ad< "20020326"	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/03 12:02
S246	1	"6801101".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/03 12:08
S247	2	"20040021094"	US-PGPUB; USPAT	OR	ON	2008/02/03 13:55

12/9/2008 11:03:56 PM

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